

S-1200 MP (MULTI-PURPOSE) PREMIUM MEDIUM BED MORTAR

PRODUCT DESCRIPTION:

S-1200 MP is designed for installation of large ceramic tiles, marble and granite over floors or walls. S-1200 MP is designed for interior or exterior applications. S-1200 MP is a cement based formula that includes a specially blended modified powdered latex filler system that meets or exceeds ANSI 118.4 and 118.11 specifications for latex-Portland Cement mortar.

USES:

This product can be used over clean masonry surfaces, cementitious backer board, gypsum drywall, or exterior grade plywood. APA grade, C-C plugged or better. (Plywood installations interior, non-wet areas only). S-1200 MP is designed for installation of large ceramic tiles, marble and granite over floors or walls. S-1200 MP may be applied at a thickness of 1/4" to 3/4" max. The non-sinking characteristic of this medium bed mortar minimizes the need to re-level installed large tiles, marble, or granite.

LIMITATIONS:

Do not use S-1200 MP over rubber, cutback adhesive, terrazzo, synthetic resilient flooring or strip wood floors, carpet or wood adhesives, Luan plywood, particleboard, wafer board, Masonite, metal plastic, or fiberglass. Do not use in either wet or exterior areas over wood substrates. Installation failure will result from wet wood. Do not apply over a single sheet, plywood floors. S-1200 MP should not be applied when the temperature of the area and substrate to be tiled is below 50° F. Ideal working temperature range is 50-70°F. Store S-1200 MP in dry locations only. Do not store in open containers.

TECHNICAL DATA Physical Properties:

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|----------------------|------|
| 7 day, dry cure PSI | |
| Quarry shear | 150 |
| Quarry to Plywood | 130 |
| Marble to concrete | 400 |
| Compressive strength | 1935 |
| 28 day, dry cure PSI | |
| Quarry shear | 190 |
| Quarry to Plywood | 180 |
| Marble to concrete | 440 |
| Compressive strength | 4370 |

INSTALLATION:

Substrates: All substrate preparation and tile installation must be in accordance with the Tile Council of America's Handbook for ceramic tile installations to insure proper performance and longevity of the installation. Substrates include cured concrete, mortar bed, wood subfloor with mortar bed substrate, exterior grade plywood, dry wall, and masonry.

Mixing: S-1200 MP should be mixed with clean, cool potable water only. Add enough water to S-1200MP to give it a paste like consistency which is easy to trowel but will hang on an inverted trowel. Mix using a *slow* speed revolving bucket type mixer or a similar mixer. *Do not mix at high speed.* Remix after slaking for the appropriate time (normally 5 to 10 minutes) and add more water or S-1200 MP powder if necessary.

APPLICATION:

Be sure that substrate is clean, dust free and dry before applying S-1200 MP. Apply S-1200 MP to substrate with the appropriate

sized notched trowel (1/2" radius medium bed mortar trowel), held at a 45° angle. Comb the mortar evenly in one direction only. Do not "swirl". Spread only an area that can be tiled in 10 to 20 minutes. Finished mortar thickness should be 1/4 to 3/4 inch after tile is set. Average pot life of S-1200 MP is 30-40 minutes. Do not set tile over mortar that has formed a surface skin. Do not use additional water to remix mortar.

SETTING:

Full coverage of the setting material on the back of the tile is desirable to prevent broken and cracked tile. The National Tile Contractors Association recommendation to accomplish full coverage is as follows: Apply mortar to substrate using the flat side of the trowel to fill any voids and "key" the material to the substrate. Using the proper sized notched trowel, comb the mortar evenly in one direction only. Do not "swirl". Set the tile in the mortar with the edge of the tile parallel to the comb lines. To remove air voids, push the tile back and forth in the mortar perpendicular to the comb lines.

CAUTION:

Job failures can occur from setting tile onto S-1200 MP which has "skinned". Check any mortar which has been on substrate longer than 10 minutes by pressing tile lightly but firmly onto troweled ribs of mortar. If proper coverage is not obtained, recomb the S-1200 MP and retest or remove and trowel new material. **ALL TRAFFIC SHOULD BE KEPT OFF THE TILE FOR 72 HOURS WHEN S-1200 MP IS USED AS A FLOOR MORTAR AND GROUT SHOULD NOT BE APPLIED LESS THAN 24 HOURS AFTER TILE HAVE BEEN SET.**

PROTECTING NEW TILEWORK:

To avoid damage to finished tilework, schedule floor installations to begin only after all structural work, building enclosure, and overhead finishing work, such as ceilings, painting, mechanical and electrical work are completed. Keep all traffic off of finished tile floors until it has fully cured, or provide up to 3/4" thick plywood protection over Kraft paper to protect floors before installation materials have fully cured.

CLEAN-UP:

Clean tools and excess materials from face of tile immediately while mortar is still fresh, with warm soapy water.

COLORS:

910 White, 960 Gray

COVERAGE:

The amount of coverage will depend on the type of tile, size of trowel notch and substrate. Average is 25-28 sq. ft. per 50 pounds with 1/2" radius medium bed mortar trowel.

PACKAGING:

50 lb. bags.

SPECIFICATIONS:

Material: Medium bed latex mortar for setting ceramic tile on horizontal surfaces shall be S-1200 MP, consisting of Type I portland cement, specially graded silica aggregates (#7 on M.O.H. Scale of Hardness), water retention aid and anti-sag and anti-skinning aids, and a specially blended dry latex with protective colloids; as manufactured by Summitville Tiles, Inc., Summitville, Ohio. Material shall meet or exceed ANSI A118.4 and A118.11.